

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re New Patent Application of)
Takeshi WAKAMATSU et al.)
Japanese Priority Application No. 2003-389484) Attn: Applications
Japanese Priority Date: November 19, 2003) Branch
For: COMPARATOR CIRCUIT) Date: March 24, 2003

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

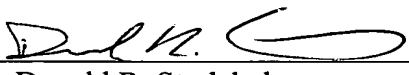
Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. §1.56, Applicants hereby submit the following information in conformance with 37 C.F.R. §§ 1.97 and 1.98. Pursuant to 37 C.F.R. § 1.98, a copy of each of the documents cited is enclosed.

Japanese Application Nos. 05-67950 and 2002-237743 are mentioned on line 12, page 4 in the specification.

It is requested that the accompanying PTO-1449 be considered and made of record in the above-identified application. To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

Respectfully submitted,

By: 
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| Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i> | | | | Complete if Known | | | |
| | | | | Application Number | | New Application | |
| | | | | Filing Date | | March 24, 2004 | |
| | | | | First Named Inventor | | Takeshi WAKAMATSU et al. | |
| | | | | Art Unit | | | |
| Examiner Name | | | | | | | |
| Sheet | 1 | of | 1 | Attorney Docket Number | | 030712-31 | |

| U.S. PATENT DOCUMENTS | | | | | |
|-----------------------------------|--------------------------|--|--------------------------------|--|---|
| Examiner Initials ⁵ | Cite No. ¹ | U.S. Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Number - Kind Code ² (if known) | | | |
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| FOREIGN PATENT DOCUMENTS | | | | | | |
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| Examiner Initials ⁵ | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁶ |
| | | Country Code ³ Number ⁴ Kind Code ² (if known) | | | | |
| | | JP 05-67950 | 03/19/1993 | | | |
| | | JP 2002-237743 | 08/23/2002 | | | |
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| OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS | | | |
|---|--------------------------|---|----------------|
| Examiner Initials ⁵ | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
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|-----------------------|--|--------------------|--|
| Examiner Signature | | Date Considered | |
|-----------------------|--|--------------------|--|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.